

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1154	("701").clas. and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/22 08:47
S2	69	("701").clas. and vacuum near3 cleaner	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/21 15:15
S3	9	(("5044043") or ("5504971") or ("6061869") or ("3581591")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/22 08:32
S4	82	(701/23).ccls. and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/22 08:47
S5	40	(701/1,48).ccls. not (701/23).ccls. and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/22 09:09
S6	820	(15/319).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/22 09:09
S7	75	(15/319).ccls. and microprocessor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/22 09:20
S8	1303	(15/339).ccls. not S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/22 09:21
S9	22	(15/339).ccls. not S6 and microprocessor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/22 09:22

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S10	109	(15/340.2).ccls. not (15/339).ccls. not S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/22 09:23
S11	1	(15/340.2).ccls. not (15/339).ccls. not S6 and microprocessor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/22 09:23
S12	2	(15/340.2).ccls. and microprocessor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/22 09:24
S13	34	(180/19.3).ccls. and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/22 09:24
S14	517	"hall effect sensor" with wheel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/09 16:24
S16	3	S14 and vacuum near3 cleaner	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/22 10:57
S17	147	"magnetic field sensor" with wheel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/22 10:59
S18	5	S17 and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/23 07:24
S19	12	"magnetic field sensor" same wheel and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/22 11:00
S20	47	microprocessor and "pulse width" and "vacuum cleaner"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/23 06:59

## EAST Search History

S21	4	microprocessor and "pulse width modulate" and "vacuum cleaner"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/23 07:02
S22	124	microprocessor and (table or "lookup table" or "look up table" or "look-up table") and "vacuum cleaner"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/23 07:03
S23	17	microprocessor and ("lookup table" or "look up table" or "look-up table") and "vacuum cleaner"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/23 07:04
S24	5	"007103".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/23 07:25
S25	9	"339749".ap. or "339122".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/08 10:30
S26	1	pulse with width with modulate same handle with position and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/08 10:31
S27	3102	pulse with width with modulat\$3 with drive with motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/07 15:37
S28	110	pulse with width with modulat\$3 with drive with motor and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/07 16:19
S29	1	pulse with width with modulat\$3 with drive with motor with propulsion and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/07 15:37
S30	1	pulse with width with modulat\$3 with drive with motor same handle and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/07 15:37

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S31	713	pulse with width with modulat\$3 with (algorithm or table with value)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/07 16:20
S32	43	pulse with width with modulat\$3 same (algorithm and table with value)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/07 16:20
S33	4	"677999".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/07 17:00
S34	546	"hall effect sensor" with wheel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/09 16:15
S35	48	S34 and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/09 16:15
S36	896	"hall effect sensor" same wheel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/09 16:24
S37	1	"hall effect" same "wheel sensor" and vacuum with cleaner	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/09 16:24
S38	3	"hall effect" same "wheel sensor" and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/09 16:25
S39	35	"hall effect" same "wheel sensor"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/09 16:25